

11 operator and the control means,
12 characterized in that:
13 - the control means comprise firstly a control box
14 (20) impermeable to radiation and comprising
15 electronic circuit boards, and secondly a power
16 supply box (1) impermeable to radiation and
17 comprising at least one energy supply source, and
18 - management means (42) comprise a communication
19 device to transmit orders to onboard control means
20 and to receive data about the state of the said
21 control means and the state of remote manipulation
22 and carrying equipment (41, 43).

1 12. (new) Control system according to claim 11,
2 characterized in that the power supply box (1) comprises two
3 power supply sources operating redundantly.

1 13. (new) Control system according to claim 11,
2 characterized in that the electronic circuit boards comprise
3 several microprocessors operating alternately and processing
4 circuits providing functional control over this
5 microprocessor.

1 14. (new) Control system according to claim 11,
2 characterized in that it is self-configurable to match the
3 manipulation equipment (41) and the carrying equipment (43).

15. (new) System according to claim 11, characterized in that the control means (42) comprise circuits for processing status data received from the control means to diagnose failures and operating errors of the equipment (41, 43) and the control means.

16. (new) System according to claim 11, characterized in that the control means are each provided with a base (19, 30), larger than the power supply box (1) and the control box (20), fixed permanently on each equipment to be controlled and each being provided with:

- means of attachment to a control box (20) or a power supply box (1) onto the base;
- internal connection means to make electrical and/or electronic connections between the box and the base on which it is fixed; and
- external connection means for making external electrical and/or electronic connections between the equipment (41, 43) to be controlled and the base (30).

17. (new) System according to claim 16, characterized in that the power supply boxes (1) and the control boxes (20) are provided with locking means (10, 12, 21, 23) on their corresponding bases (19, 30, 44), that can be manoeuvred from outside these power supply boxes (1) and control boxes (20).

1 18. (new) System according to claim 16, characterized in
2 that a lead base plate (31) is placed under the base (30) of
3 each control box (20).

1 19. (new) System according to claim 16, characterized in
2 that the power supply boxes (1) and the control boxes (20)
3 each comprise a stainless steel housing closed by a Plexiglas
4 cover (6, 27).

1 20. (new) System according to claim 19, characterized in
2 that it comprises gaskets (8, 26) to be used for assembly of
3 the Plexiglas covers (6, 27).
